

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 07-320780

(43)Date of publication of application : 08.12.1995

(51)Int.CI.

H01M 10/40

(21)Application number : 06-131422

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(22)Date of filing : 20.05.1994

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## (54) SOLID ELECTROLYTIC SECONDARY BATTERY

### (57)Abstract:

PURPOSE: To enhance charge-discharge cycle characteristic by using a polymer solid electrolyte or polymer gelled electrolyte difficult to react with a negative electrode, and making the internal resistance difficult to rise even by the repeat of charge-discharge cycle.

CONSTITUTION: This solid electrolytic secondary battery has a positive electrode, a negative electrode using lithium as an active material, and a polymer solid electrolyte consisting of a composite of an electrolyte salt with a polymer, or a polymer gelled electrolyte obtained by impregnating the polymer with an electrolyte consisting of the electrolyte salt and an aprotic solvent. As the polymer is used a polyamide, polyimidazole, polyimide, polyoxazole, polytetrafluoroethylene, polymelamineformamide, polycarbonate or polypropylene.

### LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

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